



Missouri  
Department of  
Natural Resources

City of Independence  
Power Plant Name: Missouri City  
Electric Generation and Emissions in 2011

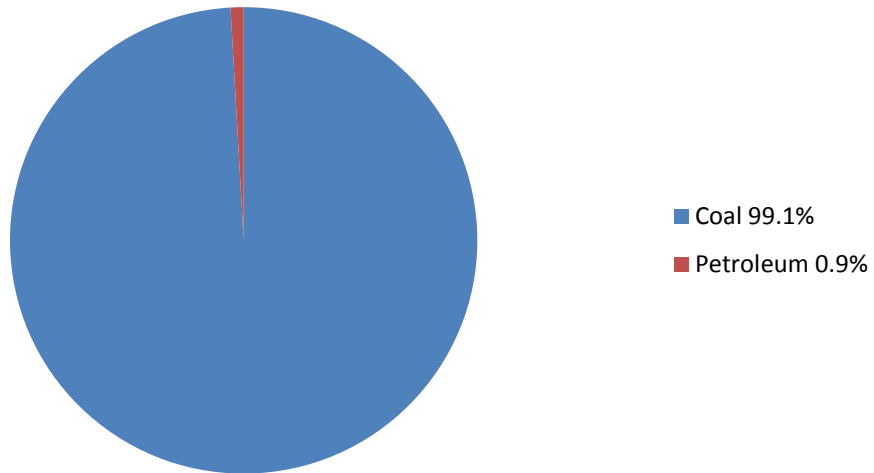
Generation Tables

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated, MWh	Percent of Total	
<b>Non-renewable sources</b>						
Coal	851,508	99.0%	99.0%	50,073	99.1%	99.1%
Natural Gas						
Petroleum	8,323	1.0%	1.0%	453	0.9%	0.9%
Nuclear						
Other						
<b>Non-renewable total</b>	<b>859,831</b>	<b>100.0%</b>	<b>100.0%</b>	<b>50,526</b>	<b>100.0%</b>	<b>100.0%</b>
<b>Renewable sources</b>						
Biomass						
Hydroelectric						
Landfill Gas						
Solar						
Waste Fuels						
Wind						
Wood						
<b>Renewable total</b>						
<b>Grand total</b>	<b>859,831</b>		<b>100.0%</b>	<b>50,526</b>		<b>100.0%</b>

Fuel Type	Physical Units	Number of Units
Anthracite Coal and Bituminous Coal	Short Tons	37,874
Distillate Fuel Oil	Barrels	1,445



### Net Generation by Fuel Type, 2011 for Missouri City





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Power Plant Nameplate information for Missouri City

<b>Plant Name</b>	<b>County Location</b>	<b>Generator</b>	<b>Generator Type</b>	<b>Generator Status</b>	<b>Nameplate Capacity (MW)</b>
<i>Missouri City</i>		<i>All Operating Generators</i>			<i>184.0</i>
Missouri City	Clay	1	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)	Operating - in service	92.0
Missouri City	Clay	2	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)	Operating - in service	92.0



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Emissions from Electricity Generated in 2011: Missouri City

	<b>CO2 Equivalent (TONS)</b>	<b>Carbon Dioxide (CO2) (TONS)</b>	<b>Methane (CH4) (TONS)</b>	<b>Nitrogen Dioxide (NO2) (TONS)</b>
Missouri City	3,092,020	353,359	41,410	6,029

	<b>Sulfur Dioxide (SO2) (TONS)</b>	<b>Annual Nitrogen Oxide (NOx) (TONS)</b>	<b>Summer Nitrogen Oxide (NOx) (TONS)</b>
Missouri City	4,495	0.0000	0.0000

Identified Flue Gas Desulfurization (FGD) controls installed on Missouri City power plant

<b>Plant</b>	<b>Control Equipment</b>	<b>Sorbent Type</b>
	No FGD Controls Installed	

Identified Flue Gas Particulate (FGP) controls installed on Missouri City power plant

<b>Plant</b>	<b>Control Equipment</b>
Missouri City	Baghouse, reverse air



## Missouri Department of Natural Resources

### **Notes:**

Generation, emissions and pollution control data include power plants owned by the utility and located in Missouri.

Emissions data calculated by Missouri Department of Natural Resources, Division of Energy, from EIA Fuel Consumption Data

Fuel Consumption and Generation Data from United States Energy Information Administration, Form 923, United States Department of Energy  
<http://www.eia.gov/electricity/data/eia923>

Pollution control data (FGD and FGP equipment) from United States Energy Information Administration, Form 860, United States Department of Energy  
<http://www.eia.gov/electricity/data/eia860/index.html>

Emissions factors for fuel-based generation from United States Environmental Protection Agency "Emission Factors for Greenhouse Gas Inventories", November 7, 2011,  
<http://www.epa.gov/climateleadership/documents/emission-factors.pdf>